

Product Information

MemDX™ Membrane Protein Human HPN (Hepsin) for Antibody Discovery

Cat. No.: **MP0521X**

This product is for research use only and is not intended for diagnostic use.

This product is a 67.43 kDa Human HPN membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

HPN

Protein Length

Full-length

Molecular Weight

67.43 kDa

TMD

1

Sequence

VAVLLRSDQEPLYPVQVSSADARLMVFDKTEGTWRLCSSLRSNARVAGLSCEEMGFLRALTHSELDVRTAGANGTSGFFCVDEGF

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

HPN

Full Name

Hepsin

Introduction

This gene encodes a type II transmembrane serine protease that may be involved in diverse cellular functions, including blood coagulation and the maintenance of cell morphology. Expression of the encoded protein is associated with the growth and progression of cancers, particularly prostate cancer. The protein is cleaved into a catalytic serine protease chain and a non-catalytic scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Alternative splicing results in multiple transcript variants

Alternative Names

TMPRSS1

Gene ID

[3249](#)

UniProt ID

[P05981](#)